994105

REILLY TAR & CHEMICAL CORPORATION

TELEPHONE 317/638-7531
CABLE RETAR INDIANAPOLIS
TELEX 27-404

1510 MARKET SQUARE CENTER
151 NORTH DELAWARE STREET
INDIANAPOLIS, INDIANA 46204

July 23, 1981

Illinois EPA
Division of Land/Noise Pollution Control
2200 Churchill Road
Springfield, Illinois 62706

Gentlemen:

Attached is our application for Special Waste. In place of the hauler registration number we are supplying their ICC number which is 15493-MC-C. Also attached is a copy of analysis on the waste material.

Very truly yours,

REILLY TAR & CHEMICAL CORPORATION

W. A. Justin
Director Environmental Control

WAJ/bk

Attach.

envirodyne
engineers
2751 Lackland Road
St. Louis, Missouri 63141
314 434 6960

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REPORT OF ANALYSIS

Environment • Energy • Transportation • Food Processing

SUBMITTED BY: Mr. Gary Bush
c/o Enviro Chem
865 South State Road (421)
Zionxville, Indiana 46077

DATE: July 9, 1981
PROJECT NO. 1702-126
P.O.

DATE RECEIVED: June 18, 1981
SAMPLE ANALYZED: Coal Tar Residue
METHODS USED: Toxic Extraction Procedure, Federal Register, May 19, 1980; EPA's Sludge Protocol for VOAs; EPA's Region V Methods; and EPA's Hazardous Waste Manual, Method 810

RESULTS:

Leachate	
Arsenic	0.021
Barium	0.12
Chromium	0.053
Cadmium	0.016
Lead	<0.05
Mercury	0.0010
Silver	<0.02
Selenium	<0.02
Endrin	<0.001
Lindane	<0.001
Methoxychlor	<0.001
Toxaphene	<0.001
2,4-D	<0.001
2,4,5-TP	<0.001

Sample	
% Volatile at 100°C	10%
% Volatile at 600°C	70%
Flash Point	Did not flash, went up to 80°C
Cyanide	250
Sulfide	7
pH	7.4 pH units
TCDD	ND (<0.1)
Benzene	30.3
Toluene	18.2
phenol	* 135
Carbazole**	250
Phenanthrene**	25,200
Naphthalene**	14,300
Ethylbenzene	1.93
Methylene chloride	5.41

Values are ppm except as otherwise noted.

GC/MS Library Search results for volatile identities are attached.

*Phenol results are not yet complete due to a backordered part.
**EPA Hazardous Waste Manual defines cresote as a combination of these compounds.

RECEIVED
JUL 28 1981
E.P.A. — D.L.P.C.
STATE OF ILLINOIS

/csq

ENVIRODYNE ENGINEERS
BY: Paul Myers

1702-126
GC/MS LIBRARY SEARCH
VOLATILES

Peak No.	Retention Time	Similarity Index	Identification	Concentration (ppm)	Concentration in Blank** (ppm)
1	2.3	0.9778 0.7350	dimethyl ether* d -dimethylamine	1.65	5.5
2	7.0	-	acetone	1.92	1.8
3	12.4	0.9695 0.9691	1,2-diethoxyethane diethyl ether*	1.07	
4	13.7	-	methyl ethyl ketone	3.0	4.2
5	14.9	-	pentane	1.82	0.93
6	16.2	(No hits -	not enough detail in spectrum)	0.585	
7	21.3	-	hexane	0.768	0.27
8	29.5	0.9807 0.9806 0.9804 0.9784	1-methylphenylacetylene* indene* benzene, 1-ethynyl-4-methyl-* benzene, 1,3-propadienyl-	276	

* = best match

**Concentrations in blank calculated to compare with sample. All peaks except No. 8 are probably background and not really present in the sample.

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